

STTR FY04 PH I By Topic

TOPIC	COMPANY	TITLE
ARMY04-T001	Soar Technology, Inc.	Interactive Terrain Analysis
ARMY04-T001	21st Century Systems, Incorporated	Fielded Agent-based Geo-Analysis Network (FAGAN)
ARMY04-T001	CHI Systems, Inc.	Terrain Analysis for Human-Robot Interaction (TAH-RI)
ARMY04-T002	Soar Technology, Inc.	Human-Computer Visualization
ARMY04-T002	Charles River Analytics Inc.	Meta-Information Visualization to Enhance the Common Operational Picture (MIVEC)
ARMY04-T002	SDS International, Inc.	Joint Visualization Module (JVM) for Enhanced Human-Computer Capabilities (Human-Computer Visualization)
ARMY04-T003	Foster-Miller, Inc.	A Novel Bio-Applique for Corrosion Protection
ARMY04-T003	Cortec Corporation	Corrosion Protection of Aluminum Aerospace Alloys by Biofilm Appliques
ARMY04-T007	Aspen Systems, Inc.	Nanocomposites with Independently Controlled Properties of the Thermoelectric Material for High Figure of Merit
ARMY04-T007	Omega Piezo Technologies	Nanostructured Thermoelectric Composites
ARMY04-T007	NanoLab, Inc.	Nanostructured Thermoelectric Composites
ARMY04-T011	Radiation Monitoring Devices, Inc.	Nanofiber LIBS for Nanoparticle Composition
ARMY04-T011	Applied Spectra	Nanoscale Chemical Analysis using Laser-Induced Breakdown Spectroscopy (nano-LIBS)
ARMY04-T012	MP Technologies, LLC	Optimization of Strain-Balanced Heterostructures for High Power 4-5 Micron Quantum Cascade Lasers
ARMY04-T012	Omni Sciences, Inc.	Mid-infrared Laser Based on Cascaded Raman Wavelength Shifting in Fibers
ARMY04-T014	Opteos, Inc.	Nonlinear-Optical-Based Vector Electric and Magnetic Near-Field Probing for Analysis of Electromagnetic Compatibility
ARMY04-T015	CBL Technologies, Inc.	Quantum Dot Microcavity Terahertz Laser
ARMY04-T015	ALTAIR Center, LLC.	Tunable Terahertz-Frequency Lasers Based on Semiconductor Nanocrystals
ARMY04-T013	IC Tech, Inc.	Acoustic direction finding using biologically inspired techniques
ARMY04-T013	AuSIM, Inc.	Biologically Inspired Acoustic Source Localization System
ARMY04-T013	Antek	Biologically Inspired Acoustic Direction Finding for Soldiers
ARMY04-T016	Schafer Corporation	Smooth, Piecewise-Polynomial Terrain Representation Using Nontraditional Metrics
ARMY04-T017	Ultra-Scan Corporation	High Confidence Multimodal Biometric System
ARMY04-T017	Spaceflight Systems Corporation	A Single Engine and Adaptive Multimodal Biometric System (SEA)
ARMY04-T017	International Biometric Group	High Confidence Multimodal Biometric System
ARMY04-T004	Triton Systems, Inc.	Selective Adsorbents for Fuel Cell Processors (1000-486)
ARMY04-T004	Synkera Technologies Inc.	Metal-Organic Framework Adsorbents for Fuel Cell - Relevant Small Molecules
ARMY04-T004	Physical Sciences Inc.	Metal Organic Framework Adsorbents for Fuel-Cell Relevant Small Molecules
ARMY04-T004	T/J Technologies, Inc.	Metal-Organic Frameworks as Novel Adsorbents for Hydrogen Sulfide
ARMY04-T005	Automatic Recognition & Control, Inc.	Imaging Infrared System with Extended Depth of Field Focusing
ARMY04-T005	New Span Opto-Technology Inc.	Non-conventional Imaging Lens With Extended Depth of Focus
ARMY04-T006	Alder Biopharmaceuticals Inc	Development of New Production Technologies for Humanized Antibodies
ARMY04-T008	Proteus Optics LLC	Fast Laser Pulse Shaping for Molecular Control and CB Detection
ARMY04-T008	Biophotonic Solutions Inc.	Fast Laser Pulse Shaping for Molecular Control and CB Detection
ARMY04-T009	AdveNSys, LLC	Neuromorphic Control System for Powered Limb Splints
ARMY04-T010	Echo Technical	Isothermally Amplified Proximity Ligation Assays for Biothreat Agents
ARMY04-T010	Fractal Systems, Inc.	Direct Toxin-Specific Biowarfare Detector
ARMY04-T018	Microbial Insights Inc.	Rapid Assessment of Individual Soldier Operational Readiness
ARMY04-T018	Hyperion Biotechnology Inc.	Biomarker Based Matrix That Predicts Levels of Physical and Cognitive Performance

ARMY04-T018	Rules-Based Medicine	Rapid Assessment of Individual Soldier Operational Readiness
ARMY04-T019	Defense Life Sciences, LLC	Tactical Biorefinery for Forward Fuel Production
ARMY04-T019	Foster-Miller, Inc.	Advanced Thermal Conversion of Waste/Biomass for Forward Units Energy Production/Conversion
ARMY04-T019	BC International, Corp.	Tactical Biorefinery for Forward Fuel Production
ARMY04-T020	Silico Insights, Inc.	A Metabolomic Framework in Predicting Optimal Fitness and Performance
ARMY04-T020	Lipomics Technologies	Metabolomic Evaluation of Combat Personnel for Optimum Fitness and Performance
ARMY04-T021	EIC Laboratories, Inc.	Nanoporous Metallic Structures for Concentrating Hazardous Vapors
ARMY04-T021	Lynntech, Inc.	Novel Material for Capture and Spectral Detection of Hazardous Vapors
ARMY04-T022	ANP Technologies, Inc.	Multiple Bio-Agent Detection with Low-cost Nanomaterial-based Devices
ARMY04-T022	Operational Technologies Corporation	Multiplexed-Magnetically Assisted Test Strips (M-MATS)
ARMY04-T023	KaZaK Composites Incorporated	Large Shape Memory Alloy Composite Structures for Seismic Resistant Building Applications
ARMY04-T023	Seismic Isolation Engineering, Inc.	Development of Innovative Shape Memory Alloy Connections and Dampers for Frame Structures Under Extreme Loading
ARMY04-T024	Dendritech, Inc.	Highly Robust, Temperature-Stable, Nano-structured Fluoropolymers for Battlefield Resuscitation Applications
ARMY04-T024	Foster-Miller, Inc.	Improved Performance, Stable Artificial Oxygen Carrier for Battlefield Casualty Care
ARMY04-T025	Activity Research Services	Automated Behavioral Health Triage
ARMY04-T025	Professional Services Group	Automated Behavioral Health Triage
ARMY04-T026	Erallo Technologies, Inc.	GPS-Based Tracking System for Trauma Patients
ARMY04-T026	Triton Systems, Inc.	Trauma Patient Tracking System(1000-514)
ARMY04-T026	NAVSYS Corporation	GPS-Based Tracking System for Trauma Patients
ARMY04-T027	Rural Technologies, Inc	Development of Bioassays for Prion Infectivity Using Human, Deer, or Elk Cells
ARMY04-T027	Nomadics, Inc.	Ruminant B-Lymphocyte Yellow Fluorescent Protein Aggregation Bioassay for Elk Chronic Wasting Disease
ARMY04-T028	Kionix Inc.	Portable Cell Maintenance System for Rapid Toxicity Monitoring
ARMY04-T028	Agave BioSystems, Inc.	Portable Cell Maintenance System